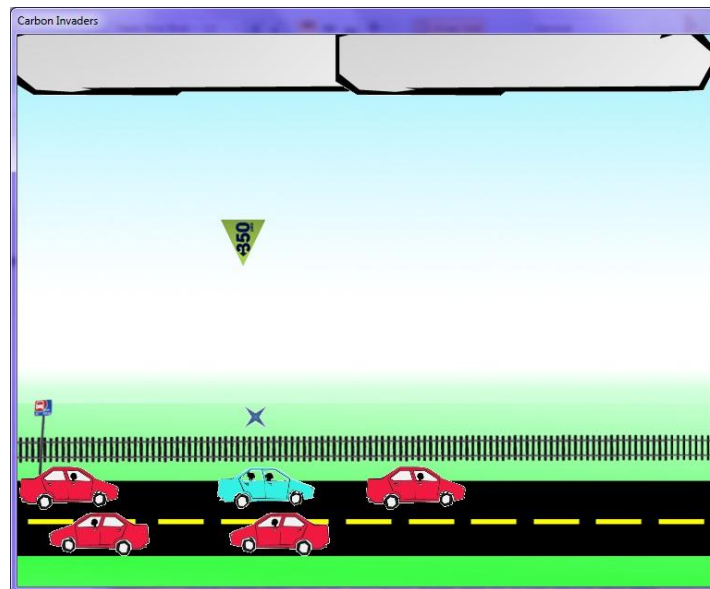

Carbon Invaders Project Proposal



Prepared by: 

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1 Project executive summary

The project is to build a fun game educating the users about the 350 campaign. The game is targeted at intermediate school aged children as we believe it is best to educate the up and coming generation on these serious issues such as climate change. The game is loosely based on the hit arcade game "Space Invaders." The object of the game is to educate the user on effective ways of cutting down carbon emissions in the form of transportation. An example of how we do this is by getting the user to shoot a friendly laser at cars that have only one person in it. Once the laser hits the car the occupant gets out of the car and waits either at a bus stop or at a car pool station. On the first level when there are four people who are waiting at a car pool station they hop into a car together thus generating a quarter of the carbon emissions compared to driving individual cars. While each level is loading a tip on other ways to reduce carbon appears on the screen.

Project Name:

Team Name: 350 Live

Team Members: Anton Smith, Tony Ayoub, Jamian Piri

Client: Ella Lawton

Project Sponsor: Otago Polytechnic

Project Supervisors: Lesley Smith, Samuel Mann

Project Description:

Goal: To help build awareness in children about the effects of CO₂ in the atmosphere and to try and get them to do their part in reducing the amount of CO₂ from over 387PPM (Parts per million) down to 350PPM

Objectives: To make the children learn by playing a fun but also informative game.

Deliverables:

	<i>Details</i>	<i>Estimated Date</i>
• Project Start	Form Team and Brainstorm Ideas	30 July 2009
•	Anton Smith, Jamian Piri, Tony	
• Release One		
• Release Two		
• Release Three		
•		
• Project End		

Development Estimates (person/hours):

Client:.....

Project Team:.....

.....

.....

Date:.....

Date:.....

Carbon Invaders Project Proposal

Section Two: Business Outline

2 Business statements

350 hopes to shine a spotlight on the work of existing organizations, highlighting everyone's incredible work and knitting these many efforts together for a powerful and unified call to action--a call that is global, scientific, and specific. By providing a common platform with the 350 target, we can help to stitch together a whole that is truly greater than the sum of its parts, a diverse movement that speaks with one collective voice.

Client Mission Statement:

350's mission statement is to inspire the world to rise to the challenge of the climate crisis--to create a new sense of urgency and of possibility for our planet.

Business description:

350 are primarily promoting and raising awareness of the effects of carbon emissions in the atmosphere the effects it inflicts and how detrimental it could possibly be for future generations. The purpose of the 350 campaign is to inform normal everyday people, businesses and large corporations that there are ways to combat this increasing threat and that they can make a difference to the future of the planet.

This year, 350 are working on creating a grassroots movement connected by the web and active all over the world.

The United Nations is working on a global climate treaty, which is supposed to be completed in December of 2009 at a conference in Copenhagen, Denmark. But the current plans for the treaty are much too weak to get us back to safety. This treaty needs to put a high enough price on carbon that we stop using so much. It also needs to ensure poor countries a fair chance to develop.

350 can hold our decision-makers accountable to producing a treaty that is strong, equitable, and grounded in the latest science. On 24 October, 350 is holding a Global Day of Climate Action to do just this.

If this global movement succeeds, 350 can get the world on track to get back to 350 and back to climate safety. It won't be easy, that's why 350 needs all the help we can get.

Business objectives:

350's focus is to build awareness in society about the effects of CO₂ in the atmosphere and to try and get them to do their part in reducing the amount of CO₂ from over 387ppm (parts per million) down to 350ppm.

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Section Three: Methodology

3 Project Methodology

The Methodology that has been adopted by 350 Live to proceed with this project for the 350 campaign is the Agile Development Framework.

The Agile Methodology consists of three iterations or processes, these involve:

1. Understanding – This process is on building an understanding on what the client needs and what the project is about. From this we can then develop system metaphors and functional requirements.
2. Functional Delivery – This process is on producing a simple product that shows the client what it is that we would be developing and how this will benefit their campaign. The client will also be able to see where the project is at and able to comment on what is good and where improvements can be done.
3. Robust Delivery – This process is about building the product up so that it is robust and can be delivered to the client.

The Agile methodology relies heavily on:

- Iterations
- Documentation
- Collaboration with the client
- Change if need be

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Section Four: Project Outline

4 Project Outline

Project Description

The overall aim of the project is to raise awareness of the 350 campaign and to educate the users on ways of reducing the CO2 in the atmosphere.

5 Project risks

Problems	Risk Level	Solution
Time Management	High	By meeting deadlines and keeping up with documentation this risk can be minimized
Programming Experience	Medium	Getting in touch with Joy Gasson for hints and help and familiarizing ourselves with the language

Economic Feasibility

350 Live Tangible and Intangible Benefits:	
Tangible Benefits:	Intangible Benefits:
Reputation with the Client Gaining Experience Learn from mistakes	Experience Needs of the Client Cohesion between Group Members

Technical Feasibility

The product depends heavily on our ability to code the game and therefore the programming aspect of the project is of high importance. To try to conquer this obstacle we would have to start early in meeting up with the Delphi Programming lecturer Joy Gasson, to get her up to date on what we are producing and how she can be of assistance to us. We would also have to familiarize ourselves with Delphi again.

Operational Feasibility

The reputation of the Otago Polytechnic may be tarnished due to the fact that the project was not met and completed.

Legal, Ethical and Contractual Feasibility

Incorporating the 350.org logo and name in the project, 350 Live would have to take into account the damage that may be caused if misusing their image and name will have on the project.

Risk Action Plan

Refer to section Project Risks.